## Dominion Exploration & Production, Inc. P.O. 1360 Roosevelt, UT 84066

August 7, 2003

Utah Division of Oil, Gas, & Mining 1594 West North Temple, Suite 1210 P.O. Box 145801 Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL HILL CREEK UNIT 4-34F NE/NW, SEC. 34, T10S, R20E UINTAH COUNTY, UTAH LEASE NO.: U-28203 UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the above-referenced well.

All further communication regarding the permit for this well, including the 7-day letter, communication regarding approval, and the approved APD should be directed to:

Ed Trotter, Agent P.O. Box 1910 Vernal, UT 84078 Phone: (435)789-4120

Fax: (435)789-1420

Sincerely

Ed Trotter

Dominion Exploration & Production, Inc.

Attachments

RECEIVED
AUG 1 1 2003

Form 3160-3 (August 1999)

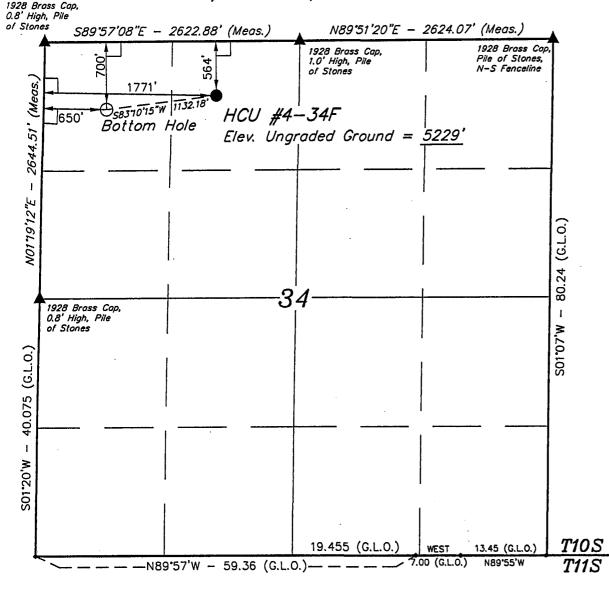
UNITED STATES
DEPARMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form approved. OMB No. 1004-0136 Expires: November 30, 2000

DEPARMENT OF THE INTE		<ol><li>Lease Serial No.</li></ol>		
0 0 1 BURÉAU OF LAND MANAGEME	U-28203			
APPLICATION FOR PERMIT TO I	6. If Indian, Allottee or Tribe Name			
	Ute Indian Tribe			
1a. Type of Work DRILL REEN	TER .	7. If Unit or CA Agreement, Name and No.		
		Hill Creek Unit		
1b. Type of Well: 🔲 Oil Well 🔀 Gas Well 🔲 Other	SINGLE ZONE MULTIPLE ZO			
2. Name of Operator		HCU 4-34F		
Dominion Exploration & Production, Inc.		9. API Number		
3a. Address	3b. Phone No. (include area code)	43-047-35138		
14000 Quail Spgs Parkway, Okla.City, OK 73134		10. Field and Pool. or Exploratory		
Location of Well (Report location clearly and in accordance with any state)	1 405-749-1300 state requirements.*)	Natural Buttes		
At surface 4418378 ¥ 39.90957 564' FNL & 17	771' FWI NEWW 4418336 Y	11. Sec., T., R., M., or Blk and Survey or Area		
Le15/02 X -109, 45340	614 768 X			
At proposed prod. zone	39.90923	34-10S-20E		
14. Distance in miles and direction from nearest town or post office*	650' FWL, NW/NW\ - 109. 6574	12. County of Parish 13 State		
15.8 miles South of	Ouray			
15. Distance from proposed*	16. No. of Acres in lease	Uintah UT  17. Spacing Unit dedicated to this well		
location to nearest property or lease line, ft.		The opposing of the desired to this well		
(Also to nearest drig.unit line, if any)	1880	40		
<ol> <li>Distance from proposed location* to nearest well, drilling, completed.</li> </ol>	19. Proposed Depth	20. BLM/BIA Bond No. on file		
applied for, on this lease, ft. 1110'				
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	8,000  22. Approximate date work will start*	76S 63050 0330		
5229' GL		23 Estimated duration		
3223 GL	15-Feb-04	45 days		
	24. Attachments			
The following, completed in accordance with the requirements of Onshore	Oil and Gas Order No. 1, shall be attached to the	is form:		
Well plat certified by a registered surveyor.	4 Road to sover the enemtions	unless covered by an existing bond on file (see		
2. A Drilling Plan.	Item 20 above).	unless covered by an existing bond on file (see		
3. A Surface Use Plan (if the location is on National Forest System Lands	, the 5. Operator certification.			
SUPO shall be filed with the appropriate Forest Service Office).		ation and/or plans as may be required by the		
· <u>· · · · · · · · · · · · · · · · · · </u>	authorized officer.			
25 Signature	Name (Printed/Typed)	Date		
(Aula Uhustiana I		I A		
Title  Regulatory Specialist  Approved by (Signature)  Federal is Negation 15	Carla Christian	<u> </u>		
Approved by (Signature)  Approved by (Signature)  Federal Is Negation 1s Negat	Sary	•		
Approved by (Signature)	Name (Printed/Typed)	■ Date		
Federion 18	BRADLEY G. HILL	108-18-03		
Title	Offigenvironmental scientist			
Application approval does not warrant or certify that the applicant holds leg operations thereon.	al or equitable title to those rights in the subject	lease which would entitle the applicant to conduct		
Conditions of approval, if any, are attached.				
Title 18 U.S.C. Section 1001, make it a crime for any person knowing	ngly and willfully to make to any department	or agency of the United States any false, fictitious		
or fractions as to any matter within its	jurisdiction.			
*(Instructions on reverse)				

RECEIVED AUG 1 1 2003

## T10S, R20E, S.L.B.&M.



## LEGEND:

\_\_ = 90° SYMBOL

= PROPOSED WELL HEAD.

= SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 39°54'34.55" (39.909597) LONGITUDE = 109°39'14.48" (109.654022)

#### DOMINION EXPLR. & PROD., INC.

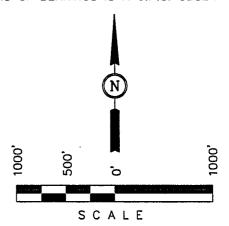
Well location, HCU #4-34F, located as shown in the NE 1/4 NW 1/4 of Section 34, T10S, R20E, S.L.B.&M. Uintah County, Utah.

#### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.

#### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



#### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR REGISTRATION NO. 161319

# UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017

(100) 100 1011							
SCALE 1" = 1000'	DATE SURVEYED: 4-30-03	DATE DRAWN: 5-5-03					
PARTY K.K. M.P. C.G.	REFERENCES G.L.O. PLA	ΛT					
WEATHER WARM	FILE DOMINION EXPLR.	& PROD INC					

**Dominion Exploration & Production, Inc.** 14000 Quail Springs Parkway, #600, Oklahoma City, OK 73134-2600



Attn: Diana Mason Utah Division of Oil, Gas & Mining 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

Reference:

Exception to Location & Sitting of Well

HCU 4-34F, Surface Location 564' FNL & 1771' FWL, Sec. 34-10S-20E

Bottom Location 700' FNL & 650' FWL, Sec. 34-10S-20E

Uintah County, Utah

Dear Ms. Mason:

Dominion Exploration & Production, Inc. is requesting an exception to Rule 649-3-11, for the above referenced well, due to the directional drilling. Dominion Exploration & Production, Inc. is the only owner within a 460' radius from all points along the intended well bore.

If you should require additional information please feel free to contact me at (405) 749-5263.

Sincerely,

Dominion Exploration & Production, Inc.

Carla Christian

Regulatory Specialist

Enclosure

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

#### **Attachment for Permit to Drill**

Name of Operator:

Dominion Exploration & Production

Address:

14000 Quail Springs Parkway, Suite 600

Oklahoma City, OK 73134

Well Location:

HCU 4-34F

SHL: 564' FNL & 1771' FWL Section 34-10S-20E BHL: 700' FNL & 650' FWL Section 34-10S-20E

Uintah County, UT

1. GEOLOGIC SURFACE FORMATION

Uintah

#### 2. <u>ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS</u>

<u>Formation</u>	<u>Depth</u>
Green River	883'
Wasatach Tongue	3,793
Green River Tongue	4,123
Wasatch	4,283
Chapita Wells	5,303°
Uteland Buttes	6,383
Mesaverde	7,483

#### 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL</u>, GAS OR MINERALS

<u>Formation</u>	<u>Depth</u>	Type	
Green River	883'	Oil	
Wasatch Tongue	3,793'	Oil	
Green River Tongue	4,123'	Oil	
Wasatch	4,283	Gas	
Chapita Wells	5,303'	Gas	
Uteland Buttes	6,383'	Gas	
Mesaverde	7.483	Gas	

#### 4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

<u>Type</u>	Size	Weight	<u>Grade</u>	Conn.	<u>Top</u>	Bottom	<u>Hole</u>
Surface	13-3/8"	48.0 ppf	H-40	STC	0,	500°	17-1/2"
Intermediate	9-5/8"	36.0 ppf	J-55	LTC	0,	2,800	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0,	8,000'	7-7/8"

## 5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

<u>Production hole</u>: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from intermediate casing to total depth. The blind rams will be tested once per day from intermediate casing to total depth if operations permit.

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling below the intermediate casing shoe. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

#### 6. MUD SYSTEMS

- An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
- KCL mud system will be used to drill well.

<u>Depths</u>	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' – 2,800'	8.6	Fresh water, rotating head and diverter
2,800' – 8,000'	8.6	Fresh water/2% KCL/KCL mud system

#### BLOOIE LINE

- An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
- A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
- "Target tee" connections will be a minimum of 50' from wellhead.
- The blooie line discharge will be a minimum of 100' from the wellhead.

#### 8. <u>AUXILIARY EQUIPMENT TO BE USED</u>

- a. Kelly cock.
- b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

#### 9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED

- A drillstem test in the Wasatch Tongue is possible.
- One electric line wire-log will be run from total depth to intermediate casing.
- The gamma ray will be left on to record from total depth to intermediate casing.
- Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
- A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

#### 10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED

- Expected BHP 1,500-2,000 psi (lower than normal pressure gradient).
- No abnormal temperature or pressures are anticipated.
- The formations to be penetrated do not contain known H2S gas.

#### 11. WATER SUPPLY

- No water pipelines will be laid for this well.
- No water well will be drilled for this well.
- Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
- Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

#### **DRILLING PLAN**

#### **APPROVAL OF OPERATIONS**

#### 12. **CEMENT SYSTEMS**

#### Surface Cement:

Drill 17-1/2" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% CaCl2 and 1/4 #/sk. Poly-E-Flakes (volume includes 40% excess). Top out if necessary with Top Out cement listed below.

#### Intermediate Casing Cement:

- Drill 12-1/4" hole to 2,800'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug two joints off bottom e) bottom three joints thread locked f) pump job with bottom plug only.

Cement to surface not required due to surface casing set deeper than normal.

					<u>Hole</u>	<u>Cement</u>	
<u>Type</u>	<u>Sacks</u>	<u>Interval</u>	<b>Density</b>	<u>Yield</u>	<u>Volume</u>	<u>Volume</u>	Excess
Lead	300	0'-2,000'	11.0 ppg	3.82 CFS	658 CF	1,152 CF	75%
Tail	390	2,000'-2,800'	15.6 ppg	1.20 CFS	268 CF	469 CF	75%

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

3.82 cf/sack

Slurry weight: 11.00 #/gal.

Water requirement: 22.95 gal/sack

Compressives @ 130°F: 157 psi after 24 hours

Tail Mix:

Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 44.3% fresh water.

Pump Time: 1 hr. 5 min. @ 90 °F.

Compressives @ 95 °F: 24 Hour is 4,700 psi

#### c. Production Casing Cement:

- Drill 7-7/8" hole to 8,000'±, run and cement 5 1/2".
- Cement interface is at 3,700', which is typically 500'-1,000' above shallowest pay.
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 3% KCL.

					Hole	Cement	
Type	<u>Sacks</u>	<u>Interval</u>	<b>Density</b>	Yield Yield	Volume	<u>Volume</u>	Excess
Lead	90	3,700'-4,500'	11.5 ppg	3.12 CFS	139 CF	277 CF	100%
Tail	600	4,500'-8,000'	13.0 ppg	1.75 CFS	525 CF	1050 CF	100%

Note: Caliper will be run to determine exact cement volume.

Lead Mix:

Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.

Slurry yield:

3.12 cf/sack

Slurry weight: 11.60 #/gal.

Water requirement:

17.71 gal/sack

Compressives @ 130°F: 157 psi after 24 hours

Tail Mix:

Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322,

& HR-5.

Slurry yield:

1.75 cf/sack

Slurry weight:

13.00 #/gal.

Water requirement:

9.09 gal/sack

Compressives @ 165°F: 905 psi after 24 hours

#### 13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

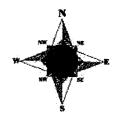
Starting Date:

February 15, 2004

**Duration:** 

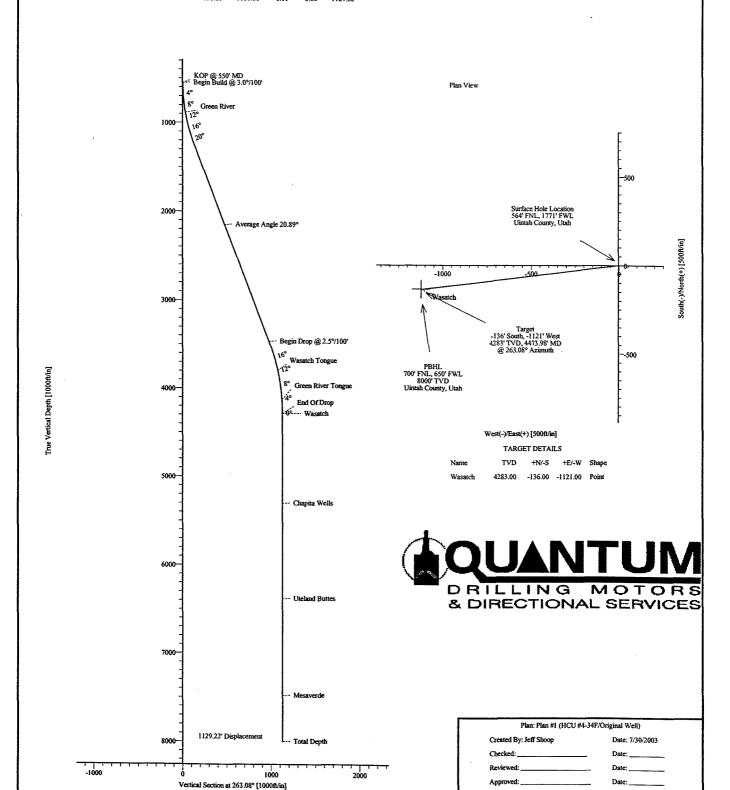
14 Days

## Dominion Exploration & Production HCU #4-34F Hill Creek Unit Uintah/Utah



Declination 12.09°	
Dip Angle 66.23°	
Field Strength 53338 nT	•

	SECTION DETAILS									
Sec	MĐ	lac	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1 2 3	550.00 1246.40	0.00 20.89	263.08 263.08	550.00 1231.07	0.00 -15.12	0.00 -124.65	0.00 3.00	0.00	0.00 125.57	
4 5	3638.30 4473.98 8190.98	20.89 0.00 0.00	263.08 0.00 0.00	3465.71 4283.00 8000.00	-117.85 -136.00 -136.00	-971.42 -1121.00 -1121.00	0.00 2.50 0.00	0.00 00.081 00.0	978.54 1129.22 1129.22	Wasatch





Company: Dominion Exploration & Product

Field: Sife

Field #1 Hill Creek Unit Site #2

Well: HCU #4-34F Wellpath: Original Well Date: 7/30/2003

Time: 09:48:07

Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort Vertical (TVD) Reference:

SITE 0.0 User (0.00N,0.00E,263.08Azi)

Section (VS) Reference:

Plan #1

Field: Field #1

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

Utah, Central Zone

Coordinate System: Geomagnetic Model: Site Centre iarf2000

Site:

Hill Creek Unit Site #2

Site Position:

From: Lease Line Position Uncertainty:

Northing: Easting:

Latitude: Longitude:

North Reference: **Grid Convergence:** 

True 0.00 deg

**Ground Level:** HCU #4-34F Well:

0.00 ft 0.00 ft

Slot Name:

Drilled From:

Well Position:

+N/-S +E/-W 0.00 ft Northing: 0.00 ft Easting:

0.00 ft Latitude: Longitude: 0.00 ft

20 31 27.661 N 116 2 57.116 W

Surface

Position Uncertainty:

**Current Datum:** 

Magnetic Data:

0.00 ft

Wellpath: Original Well

7/30/2003

Height

ft

Tie-on Depth: 0.00 ft Above System Datum: Declination:

0.00 ft Mean Sea Level 0.00 deg 0.00 deg

Field Strength: 0 nT **Vertical Section:** Depth From (TVD)

ft

Mag Dip Angle: +N/-S+E/-W ft

Direction deg

4283.00 0.00 0.00 263.08

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
1	0.00 20.89 20.89 0.00 0.00	263.08 263.08 263.08 0.00 0.00	550.00 1231.07 3465.71 4283.00 8000.00	0.00 -15.12 -117.85 -136.00 -136.00	0.00 -124.65 -971.42 -1121.00 -1121.00	0.00 3.00 0.00 2.50 0.00	0.00 3.00 0.00 -2.50 0.00	0.00 0.00 0.00 0.00 0.00	0.00 0.00 0.00 180.00 0.00	Wasatch

#### Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100f	Build t deg/100ft	Turn deg/100ft	Tool/Comment
550.00	0.00	263.08	550.00	0.00	0.00	0.00	0.00	0.00	0.00	Begin Build @ 3.0°/100'
570.00	0.60	263.08	570.00	-0.01	-0.10	0.10	3.00	3.00	0.00	= 0g 2 aa @ 0:0 7 100
600.00	1.50	263.08	599.99	-0.08	-0.65	0.65	3.00	3.00	0.00	
630.00	2.40	263.08	629.98	-0.20	-1.66	1.68	3.00	3.00	0.00	
660.00	3.30	263.08	659.94	-0.38	-3.14	3.17	3.00	3.00	0.00	
690.00	4.20	263.08	689.87	-0.62	-5.09	5.13	3.00	3.00	0.00	
720.00	5.10	263.08	719.78	-0.91	-7.51	7.56	3.00	3.00	0.00	
750.00	6.00	263.08	749.63	-1.26	-10.39	10.46	3.00	3.00	0.00	
780.00	6.90	263.08	779.44	-1.67	-13.73	13.83	3.00	3.00	0.00	
810.00	7.80	263.08	809.20	-2.13	-17.54	17.67	3.00	3.00	0.00	
840.00	8.70	263.08	838.89	-2.65	-21.82	21.98	3.00	3.00	0.00	
870.00	9.60	263.08	868.50	-3.22	-26.55	26.75	3.00	3.00	0.00	
884.71	10.04	263.08	883.00	-3.52	-29.04	29.25	3.00	3.00	0.00	Green River
900.00	10.50	263.08	898.04	-3.85	-31.75	31.98	3.00	3.00	0.00	
930.00	11.40	263.08	927.50	-4.54	-37.41	37.68	3.00	3.00	0.00	
960.00	12.30	263.08	956.86	-5.28	-43.52	43.84	3.00	3.00	0.00	
990.00	13.20	263.08	986.12	-6.08	-50.09	50.46	3.00	3.00	0.00	
1020.00	14.10	263.08	1015.27	-6.93	-57.12	57.54	3.00	3.00	0.00	
1050.00	15.00	263.08	1044.31	-7.84	-64.60	65.08	3.00	3.00	0.00	
1080.00	15.90	263.08	1073.22	-8.80	-72.54	73.07	3.00	3.00	0.00	



Company: Dominion Exploration & Product Field: Field #1
Site: Hill Creek Unit Site #2
Well: HCU #4-34F
Wellpath: Original Well

2

Date: 7/30/2003 Time: 09:48:07 Page:
Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: User (0.00N,0.00E,263.08Azi)
Plan: Plan #1

C			
	71	rv	e١

Survey										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ff	Build t deg/100f	Turn t deg/100ft	Tool/Comment
					Andreas Anna Anna Anna Anna Anna Anna Anna An					<u> antonio in talente i</u>
1110.00	16.80	263.08	1102.01	-9.82	-80.92	81.51	3.00	3.00	0.00	
1140.00	17.70	263.08	1130.66	-10.89	-89.75	90.41	3.00	3.00	0.00	
1170.00	18.60	263.08	1159.17	-12.01	-99.03	99.75	3.00	3.00	0.00	
1200.00	19.50	263.08	1187.52	-13.19	-108.75	109.55	3.00	3.00	0.00	
1230.00	20.40	263.08	1215.72	-14.43	-118.91	119.78	3.00	3.00	0.00	
								0.00	0.00	
1246.40	20.89	263.08	1231.07	-15.12	-124.65	125.57	3.00	3.00	0.00	
1260.00	20.89	263.08	1243.78	-15.71	-129.47	130.41	0.00	0.00	0.00	
1290.00	20.89	263.08	1271.80	-17.00	-140.09	141.11	0.00	0.00	0.00	
1320.00	20.89	263.08	1299.83	-18.28	-150.71	151.81	0.00	0.00	0.00	
1350.00	20.89	263.08	1327.86	-19.57	-161.33	162.51	0.00	0.00	0.00	
1380.00	20.89	263.08	1355.89	20.06	171.05	470.04	0.00		0.00	
1410.00	20.89			-20.86	-171.95	173.21	0.00	0.00	0.00	
1440.00		263.08	1383.91	-22.15	-182.57	183.91	0.00	0.00	0.00	
	20.89	263.08	1411.94	-23.44	-193.19	194.60	0.00	0.00	0.00	
1470.00	20.89	263.08	1439.97	-24.73	-203.81	205.30	0.00	0.00	0.00	
1500.00	20.89	263.08	1468.00	-26.01	-214.43	216.00	0.00	0.00	0.00	
1530.00	20.89	263.08	1496.02	-27.30	22E 0E	226.70	0.00	0.00	0.00	
1560.00	20.89	263.08			-225.05	226.70	0.00	0.00	0.00	
1590.00			1524.05	-28.59	-235.67	237.40	0.00	0.00	0.00	
	20.89	263.08	1552.08	-29.88	-246.29	248.10	0.00	0.00	0.00	
1620.00	20.89	263.08	1580.11	-31.17	-256.91	258.79	0.00	0.00	0.00	
1650.00	20.89	263.08	1608.13	-32.46	-267.53	269.49	0.00	0.00	0.00	
1680.00	20.89	263.08	1636.16	-33.75	-278.15	200.40	0.00	0.00	0.00	
1710.00	20.89	263.08				280.19	0.00	0.00	0.00	
1740.00	20.89	263.08	1664.19	-35.03	-288.77	290.89	0.00	0.00	0.00	
1770.00			1692.22	-36.32	-299.39	301.59	0.00	0.00	0.00	
	20.89	263.08	1720.25	-37.61	-310.01	312.29	0.00	0.00	0.00	
1800.00	20.89	263.08	1748.27	-38.90	-320.63	322.98	0.00	0.00	0.00	
1830.00	20.89	263.08	1776.30	-40.19	-331.25	333.68	0.00	0.00	0.00	
1860.00	20.89	263.08	1804.33	-41.48	-341.87	344.38	0.00	0.00	0.00	
1890.00	20.89	263.08	1832.36	-42.76	-352.49	355.08				
1920.00	20.89	263.08	1860.38	-44.05	-363.11	365.78	0.00	0.00	0.00	
1950.00	20.89	263.08	1888.41	-44.03 -45.34	-373.74	376.48	0.00 0.00	0.00 0.00	0.00 0.00	
				10.01	0.0	010.40	0.00	0.00	0.00	
1980.00	20.89	263.08	1916.44	-46.63	-384.36	387.17	0.00	0.00	0.00	
2010.00	20.89	263.08	1944.47	-47.92	-394.98	397.87	0.00	0.00	0.00	
2040.00	20.89	263.08	1972.49	-49.21	-405.60	408.57	0.00	0.00	0.00	
2070.00	20.89	263.08	2000.52	-50.50	-416.22	419.27	0.00	0.00	0.00	
2100.00	20.89	263.08	2028.55	-51.78	-426.84	429.97	0.00	0.00	0.00	
0400.00	00.00	000	****							
2130.00	20.89	263.08	2056.58	-53.07	-437.46	440.67	0.00	0.00	0.00	
2160.00	20.89	263.08	2084.60	-54.36	-448.08	451.36	0.00	0.00	0.00	
2190.00	20.89	263.08	2112.63	-55.65	-458.70	462.06	0.00	0.00	0.00	
2220.00	20.89	263.08	2140.66	-56.94	-469.32	472.76	0.00	0.00	0.00	
2230.00	20.89	263.08	2150.00	-57.37	-472.86	476.33	0.00	0.00	0.00	Average Angle 20.89°
2250.00	20.89	263.08	2168.69	-58.23	470.04	402 40	0.00	0.00	0.00	
2280.00	20.89	263.08	2196.71	-58.23 -59.51	-479.94 -490.56	483.46	0.00	0.00	0.00	
2310.00	20.89	263.08				494.16	0.00	0.00	0.00	
2340.00	20.89	263.08	2224.74	-60.80	-501.18	504.86	0.00	0.00	0.00	
2340.00 2370.00			2252.77	-62.09	-511.80	515.55	0.00	0.00	0.00	
2310.00	20.89	263.08	2280.80	-63.38	-522.42	526.25	0.00	0.00	0.00	
2400.00	20.89	263.08	2308.83	-64.67	-533.04	536.95	0.00	0.00	0.00	•
2430.00	20.89	263.08	2336.85	-65.96	-543.66					
2460.00	20.89	263.08	2364.88			547.65	0.00	0.00	0.00	
2490.00	20.89	263.08		-67.25	-554.28	558.35	0.00	0.00	0.00	
2520.00	20.89	263.08	2392.91	-68.53	-564.90	569.04	0.00	0.00	0.00	
2020.00	20.00	203.00	2420.94	-69.82	-575.52	579.74	0.00	0.00	0.00	
2550.00	20.89	263.08	2448.96	-71.11	-586.14	590.44	0.00	0.00	0.00	
2580.00	20.89	263.08	2476.99	-72.40	-596.76	601.14	0.00	0.00	0.00	
2000.00						UU 1.14	0.00	0.00	0.00	
2610.00	20.89	263.08	2505.02	-73.69	-607.38	611.84	0.00	0.00	0.00	



Company: Dominion Exploration & Product

Field: Field #1
Site: Hill Creek Unit Site #2
Well: HCU #4-34F
Wellpath: Original Well

Date: 7/30/2003

Time: 09:48:07

Page:

Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort

Vertical (TVD) Reference:

SITE 0.0 User (0.00N,0.00E,263.08Azi) Plan #1

Section (VS) Reference:

C.	 	

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
2640.00	20.89	263.08	2533.05	-74.98	-618.00	622.54	0.00	0.00	0.00	The state of the s
2670.00	20.89	263.08	2561.07	-76.26	-628.63	633.23	0.00	0.00	0.00	
2700.00	20.89	263.08	2589.10	-77.55	-639.25	643.93	0.00	0.00	0.00	•
2730.00	20.89	263.08	2617.13	-77.55 -78.84	-639.25 -649.87	654.63	0.00	0.00	0.00	
2760.00	20.89	263.08	2645.16	-80.13	-660.49		0.00	0.00	0.00	
2790.00	20.89	263.08	2673.18	-80.13 -81.42		665.33	0.00	0.00	0.00	
2820.00	20.89	263.08			-671.11	676.03	0.00	0.00	0.00	
2020.00	20.03	203.00	2701.21	-82.71	-681.73	686.73	0.00	0.00	0.00	
2850.00	20.89	263.08	2729.24	-84.00	-692.35	697.42	0.00	0.00	0.00	
2880.00	20.89	263.08	2757.27	-85.28	-702.97	708.12	0.00	0.00	0.00	
2910.00	20.89	263.08	2785.29	-86.57	-713.59	718.82	0.00	0.00	0.00	
2940.00	20.89	263.08	2813.32	-87.86	-724.21	729.52	0.00	0.00	0.00	
2970.00	20.89	263.08	2841.35	-89.15	-734.83	740.22	0.00	0.00	0.00	
3000.00	20.89	263.08	2869.38	-90.44	-745.45	750.00	0.00	0.00	0.00	
3030.00	20.89	263.08	2897.40	-90.44 -91.73		750.92	0.00	0.00	0.00	
3060.00	20.89	263.08				761.61	0.00	0.00	0.00	
3090.00	20.89	263.08	2925.43	-93.02	-766.69	772.31	0.00	0.00	0.00	
3120.00			2953.46	-94.30	-777.31	783.01	0.00	0.00	0.00	
3120.00	20.89	263.08	2981.49	-95.59	-787.93	793.71	0.00	0.00	0.00	
3150.00	20.89	263.08	3009.52	-96.88	-798.55	804.41	0.00	0.00	0.00	
3180.00	20.89	263.08	3037.54	-98.17	-809.17	815.11	0.00	0.00	0.00	
3210.00	20.89	263.08	3065.57	-99.46	-819.79	825.80	0.00	0.00	0.00	
3240.00	20.89	263.08	3093.60	-100.75	-830.41	836.50	0.00	0.00	0.00	
3270.00	20.89	263.08	3121.63	-100.73	-841.03	847.20	0.00	0.00	0.00	
					3.1.00	O-11.20	0.00	0.00	0.00	
3300.00	20.89	263.08	3149.65	-103.32	-851.65	857.90	0.00	0.00	0.00	
3330.00	20.89	263.08	3177.68	-104.61	-862.27	868.60	0.00	0.00	0.00	
3360.00	20.89	263.08	3205.71	-105.90	-872.89	879.30	0.00	0.00	0.00	
3390.00	20.89	263.08	3233.74	-107.19	-883.52	889.99	0.00	0.00	0.00	
3420.00	20.89	263.08	3261.76	-108.48	-894.14	900.69	0.00	0.00	0.00	
3450.00	20.89	263.08	3289.79	-109.77	-904.76	911.39	0.00	0.00	0.00	
3480.00	20.89	263.08	3317.82	-111.05	-915.38	922.09	0.00	0.00	0.00	
3510.00	20.89	263.08	3345.85	-112.34	-926.00	932.79		0.00		
3540.00	20.89	263.08	3373.87	-112.54	-926.60 -936.62	932.79 943.49	0.00		0.00	
3570.00	20.89	263.08	3401.90	-114.92	-930.02 -947.24	943.49 954.18	0.00 0.00	0.00 0.00	0.00 0.00	
0000 00	00.00								5.00	
3600.00	20.89	263.08	3429.93	-116.21	-957.86	964.88	0.00	0.00	0.00	
3630.00	20.89	263.08	3457.96	-117.50	-968.48	975.58	0.00	0.00	0.00	
3638.30	20.89	263.08	3465.71	-117.85	-971.42	978.54	0.00	0.00	0.00	Begin Drop @ 2.5°/100
3660.00	20.35	263.08	3486.02	-118.77	-979.00	986.18	2.50	-2.50	0.00	5 1 5 1.00
3690.00	19.60	263.08	3514.22	-120.01	-989.18	996.43	2.50	-2.50	0.00	
3720.00	18.85	263.08	3542.54	-121.20	-998.98	1006.31	2.50	-2.50	0.00	
3750.00	18.10	263.08	3571.00	-122.34	-1008.42	1006.31				
3780.00	17.35	263.08	3599.57	-123.44			2.50	-2.50	0.00	
3810.00	16.60	263.08	3628.26	-123.44	-1017.49	1024.95	2.50	-2.50	0.00	-
3840.00	15.85	263.08	3657.07	-124.50 -125.51	-1026.18	1033.71	2.50	-2.50	0.00	
	.0.00	200.00		-120.01	-1034.50	1042.09	2.50	-2.50	0.00	
3870.00	15.10	263.08	3685.98	-126.47	-1042.45	1050.09	2.50	-2.50	0.00	
3900.00	14.35	263.08	3715.00	-127.39	-1050.02	1057.72	2.50	-2.50	0.00	
3930.00	13.60	263.08	3744.11	-128.26	-1057.21	1064.96	2.50	-2.50	0.00	
3960.00	12.85	263.08	3773.31	-129.09	-1064.02	1071.83	2.50	-2.50	0.00	
3980.17	12.35	263.08	3793.00	-129.62	-1068.39	1076.23	2.50	-2.50	0.00	Wasatch Tongue
3990.00	12.10	263.08	3802.60	-129.87	-1070.46	1078.31	2 50	2.50	0.00	
4020.00	11.35	263.08	3831.98	-129.67			2.50	-2.50	0.00	
4050.00	10.60	263.08	3861.43	-130.60	-1076.51	1084.40	2.50	-2.50	0.00	
4080.00	9.85	263.08	3890.95	-131.29	-1082.18	1090.11	2.50	-2.50	0.00	
4110.00	9.10	263.08			-1087.46	1095.44	2.50	-2.50	0.00	
	5.10	200.00	3920.54	-132.53	-1092.37	1100.38	2.50	-2.50	0.00	



Company: Dominion Exploration & Product Field: Field #1 Hill Creek Unit Site #2

Field: Field #1
Site: Hill Creek Unit Site #2
Well: HCU #4-34F
Wellpath: Original Well

Date: 7/30/2003 Time: 09:48:07 Page:
Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: User (0.00N,0.00E,263.08Azi)
Plan: Plan #1

1	Sι	ır	ve	y

Survey										
MD ft	Incl deg	<b>Azim</b> deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ff	Build t deg/100f	Turn t deg/100ft	Tool/Comment
4170.00	7.60	263.08	3979.91	-133.58	-1101.02	1109.09	2.50	-2.50	0.00	<u> </u>
4200.00	6.85	263.08	4009.67	-134.03	-1104.76	1112.86	2.50	-2.50	0.00	
4230.00	6.10	263.08	4039.48	-134.44	-1108.12	1116.24	2.50	-2.50	0.00	
4260.00	5.35	263.08	4069.33	-134.80	-1111.09	1119.24	2.50	-2.50	0.00	
4290.00	4.60	263.08	4099.21	-135.11	-1113.67	1121.84	0.50	0.50	0.00	
4313.85	4.00	263.08	4123.00	-135.11	-1115.45		2.50	-2.50	0.00	
4320.00	3.85	263.08	4129.13	-135.38	-1115.45	1123.63	2.50	-2.50	0.00	Green River Tongue
4350.00	3.10	263.08	4159.08	-135.60	-1117.67	1124.05	2.50	-2.50	0.00	
4380.00	2.35	263.08	4189.04	-135.77	-1119.09	1125.87 1127.29	2.50 2.50	-2.50 -2.50	0.00 0.00	
4410.00	1.60	263.08	4219.02	-135.89	-1120.11	1128.33	2.50	-2.50	0.00	
4440.00	.0.85	263.08	4249.02	-135.97	-1120.75	1128.97	2.50	-2.50 -2.50		
4470.00	0.10	263.08	4279.02	-136.00	-1121.00	1129.22	2.50	-2.50 -2.50	0.00	
4473.98	0.00	0.00	4283.00	-136.00	-1121.00				0.00	10/aa-4ab
4500.00	0.00	0.00	4309.02	-136.00	-1121.00	1129.22 1129.22	2.50 0.00	-2.50 0.00	0.00 0.00	Wasatch
4530.00	0.00	0.00	4220.00	• •	4404.00					
4560.00	0.00	0.00	4339.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	i
4590.00	0.00	0.00 0.00	4369.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	Ì
4620.00	0.00	0.00	4399.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4650.00	0.00		4429.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4030.00	0.00	0.00	4459.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4680.00	0.00	0.00	4489.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4710.00	0.00	0.00	4519.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4740.00	0.00	0.00	4549.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4770.00	0.00	0.00	4579.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4800.00	0.00	0.00	4609.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4830.00	0.00	0.00	4639.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4860.00	0.00	0.00	4669.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4890.00	0.00	0.00	4699.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4920.00	0.00	0.00	4729.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4950.00	0.00	0.00	4759.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
4980.00	0.00	0.00	4789.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5010.00	0.00	0.00	4819.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5040.00	0.00	0.00	4849.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5070.00	0.00	0.00	4879.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5100.00	0.00	0.00	4909.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5130.00	0.00	0.00	4939.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5160.00	0.00	0.00	4969.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5190.00	0.00	0.00	4999.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5220.00	0.00	0.00	5029.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5250.00	0.00	0.00	5059.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5280.00	0.00	0.00	5089.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5310.00	0.00	0.00	5119.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	-
5340.00	0.00	0.00	5149.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5370.00	0.00	0.00	5179.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	1
5400.00	0.00	0.00	5209.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5430.00	0.00	0.00	5239.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5460.00	0.00	0.00	5269.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5490.00	0.00	0.00	5299.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5493.98	0.00	0.00	5303.00	-136.00	-1121.00	1129.22	0.00	0.00	0.00	Chanita Walls
5520.00	0.00	0.00	5329.02	-136.00	-1121.00	1129.22	0.00 0.00	0.00 0.00	0.00 0.00	Chapita Wells
5550.00	0.00	0.00	5359.02	-136.00	-1121.00	1120.22				İ
5580.00	0.00	0.00	5389.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
5610.00	0.00	0.00	5369.02 5419.02		-1121.00	1129.22	0.00	0.00	0.00	
5640.00	0.00	0.00	5449.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	Ì
5670.00	0.00	0.00		-136.00	-1121.00	1129.22	0.00	0.00	0.00	-
, 00.0.00	0.00	0.00	5479.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	1



Company: Dominion Exploration & Product

Field: Site:

Field #1 Hill Creek Unit Site #2 HCU #4-34F Well: Wellpath: Original Well

5

Date: 7/30/2003 Time: 09:48:07 Page: Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort

Vertical (TVD) Reference: SITE 0.0

User (0.00N,0.00E,263.08Azi) Plan #1 Section (VS) Reference:

Survey	·									_	
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment	
5700.00	0.00	0.00	5509.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5730.00	0.00	0.00	5539.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5760.00	0.00	0.00	5569.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5790.00	0.00	0.00	5599.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5820.00	0.00	0.00	5629.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
			0020.02	-130.00	-1121.00	1129.22	0.00	0.00	0.00		
5850.00 5880.00	0.00	0.00	5659.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
	0.00	0.00	5689.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5910.00	0.00	0.00	5719.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5940.00	0.00	0.00	5749.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
5970.00	0.00	0.00	5779.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6000.00	0.00	0.00	5809.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6030.00	0.00	0.00	5839.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6060.00	0.00	0.00	5869.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6090.00	0.00	0.00	5899.02		-1121.00	1129.22	0.00	0.00	0.00		
6120.00	0.00	0.00	5929.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6150.00	0.00	0.00	5959.02	-136.00	-1121.00	1120.22	0.00	0.00	0.00		
6180.00	0.00	0.00	5989.02	-136.00		1129.22	0.00	0.00	0.00		
6210.00	0.00	0.00	6019.02	-136.00 -136.00	-1121.00	1129.22	0.00	0.00	0.00		
6240.00	0.00	0.00	6049.02		-1121.00	1129.22	0.00	0.00	0.00		
6270.00	0.00	0.00	6079.02	-136.00 -136.00	-1121.00	1129.22	0.00	0.00	0.00		
0270.00	0.00	0.00	0013.02	-130.00	-1121.00	1129.22	0.00	0.00	0.00		
6300.00	0.00	0.00	6109.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6330.00	0.00	0.00	6139.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6360.00	0.00	0.00	6169.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6390.00	0.00	0.00	6199.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6420.00	0.00	0.00	6229.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6450.00	0.00	0.00	6259.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6480.00	0.00	0.00	6289.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6510.00	0.00	0.00	6319.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6540.00	0.00	0.00	6349.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6570.00	0.00	0.00	6379.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6573.98	0.00	0.00	6383.00	-136.00	-1121.00	1100.00	0.00	0.00	0.00	10.1. ID #	
6600.00	0.00	0.00	6409.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	Uteland Buttes	
6630.00	0.00	0.00	6439.02	-136.00		1129.22	0.00	0.00	0.00		
6660.00	0.00	0.00	6469.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6690.00	0.00	0.00	6499.02	-136.00	-1121.00 -1121.00	1129.22	0.00	0.00	0.00		
0000.00	0.00	0.00	0433.02	-130.00	-1121.00	1129.22	0.00	0.00	0.00		
6720.00	0.00	0.00	6529.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6750.00	0.00	0.00	6559.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6780.00	0.00	0.00	6589.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6810.00	0.00	0.00	6619.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6840.00	0.00	0.00	6649.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6870.00	0.00	0.00	6679.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6900.00	0.00	0.00	6709.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6930.00	0.00	0.00	6739.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6960.00	0.00	0.00	6769.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
6990.00	0.00	0.00	6799.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
7020.00	0.00	0.00	6829.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
7050.00	0.00	0.00	6859.02	-136.00	-1121.00	1129.22	0.00	0.00 0.00	0.00		
7080.00	0.00	0.00	6889.02	-136.00	-1121.00	1129.22					
7110.00	0.00	0.00	6919.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
7140.00	0.00	0.00	6949.02	-136.00	-1121.00	1129.22	0.00 0.00	0.00 0.00	0.00 0.00		
7470.00								0.00			
7170.00 7200.00	0.00 0.00	0.00 0.00	6979.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
7230.00	0.00	0.00	7009.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		
	9.00	0.00	7039.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00		

## **Quantum Drilling Motors Planning Report**

Company: Dominion Exploration & Product

Field: Field #1 Site:

Hill Creek Unit Site #2 HCU #4-34F Well: Wellpath: Original Well

Date: 7/30/2003

Time: 09:48:07

Vertical (TVD) Reference:

Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort SITE 0.0 User (0.00N,0.00E,263.08Azi) Plan #1

Section (VS) Reference:

 	and the second second	Annual Control of the	

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	Tool/Comment
ft	deg	deg	ft	ft	ft	ft			deg/100ft	1 001/Comment
7260.00	0.00	0.00	7069.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7290.00	0.00	0.00	7099.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7320.00	0.00	0.00	7129.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7350.00	0.00	0.00	7159.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7380.00	0.00	0.00	7189.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7410.00	0.00	0.00	7219.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7440.00	0.00	0.00	7249.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7470.00	0.00	0.00	7279.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7500.00	0.00	0.00	7309.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7530.00	0.00	0.00	7339.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7560.00	0.00	0.00	7369.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7590.00	0.00	0.00	7399.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7620.00	0.00	0.00	7429.02	-136.00	-1121.00	1129,22	0.00	0.00	0.00	
7650.00	0.00	0.00	7459.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7673.98	0.00	0.00	7483.00	-136.00	-1121.00	1129.22	0.00	0.00	0.00	Mesaverde
7680.00	0.00	0.00	7489.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7710.00	0.00	0.00	7519.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7740.00	0.00	0.00	7549.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7770.00	0.00	0.00	7579.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7800.00	0.00	0.00	7609.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7830.00	0.00	0.00	7639.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7860.00	0.00	0.00	7669.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7890.00	0.00	0.00	7699.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7920.00	0.00	0.00	7729.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7950.00	0.00	0.00	7759.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
7980.00	0.00	0.00	7789.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8010.00	0.00	0.00	7819.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8040.00	0.00	0.00	7849.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8070.00	0.00	0.00	7879.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8100.00	0.00	0.00	7909.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8130.00	0.00	0.00	7939.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8160.00	0.00	0.00	7969.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	
8190.00	0.00	0.00	7999.02	-136.00	-1121.00	1129.22	0.00	0.00	0.00	

#### **Targets**

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	< Latitude> Deg Min Sec	< Longitude> Deg Min Sec
Wasatch -Plan hit target			4283.00	-136.00	-1121.00	-78.83	-1126.46	20 31 26.382 N	116 3 8.303 W

#### **Formations**

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
884.71	883.00	Green River		0.00	0.00
3980.17	3793.00	Wasatch Tongue		0.00	0.00
4313.85	4123.00	Green River Tongue		0.00	0.00
4473.98	4283.00	Wasatch		0.00	0.00
5493.98	5303.00	Chapita Wells		0.00	
6573.98	6383.00	Uteland Buttes		0.00	0.00
7673.98	7483.00	Mesaverde			0.00
8190.98	8000.00	Total Depth		0.00	0.00
-0100.00	0000.00	Total Deptit		0.00	0.00



Company: Dominion Exploration & Product Field: Field #1

Site: Hill Creek Unit Site #2
Well: HCU #4-34F
Wellpath: Original Well

Date: 7/30/2003

Date: 7/30/2003 Time: 09:48:07 Page: Co-ordinate(NE) Reference: Site: Hill Creek Unit Site #2, True Nort Vertical (TVD) Reference: SITE 0.0

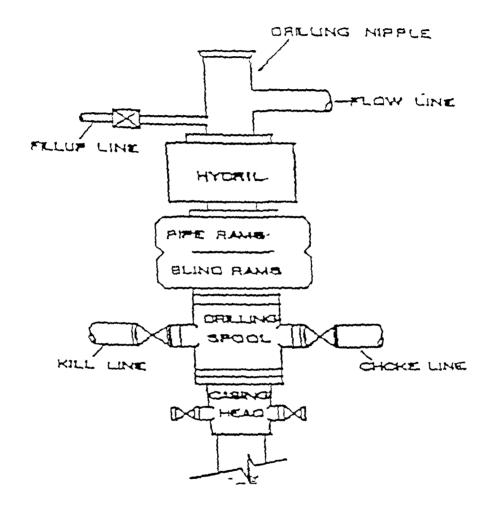
Section (VS) Reference:

User (0.00N,0.00E,263.08Azi) Plan #1

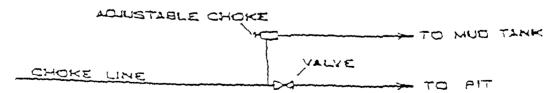
Annotation

TVD ft			
550.00	KOP @ 550' MD		
550.00	Begin Build @ 3.0°/100'		
2150.00	Average Angle 20.89°		•
3465.71	Begin Drop @ 2.5°/100'		
4283.00	End Of Drop		
8000.00			
_	ft 550.00 550.00 2150.00 3465.71 4283.00	ft  550.00 KOP @ 550' MD  550.00 Begin Build @ 3.0°/100'  2150.00 Average Angle 20.89°  3465.71 Begin Drop @ 2.5°/100'  4283.00 End Of Drop	ft  550.00 KOP @ 550' MD  550.00 Begin Build @ 3.0°/100'  2150.00 Average Angle 20.89°  3465.71 Begin Drop @ 2.5°/100'  4283.00 End Of Drop

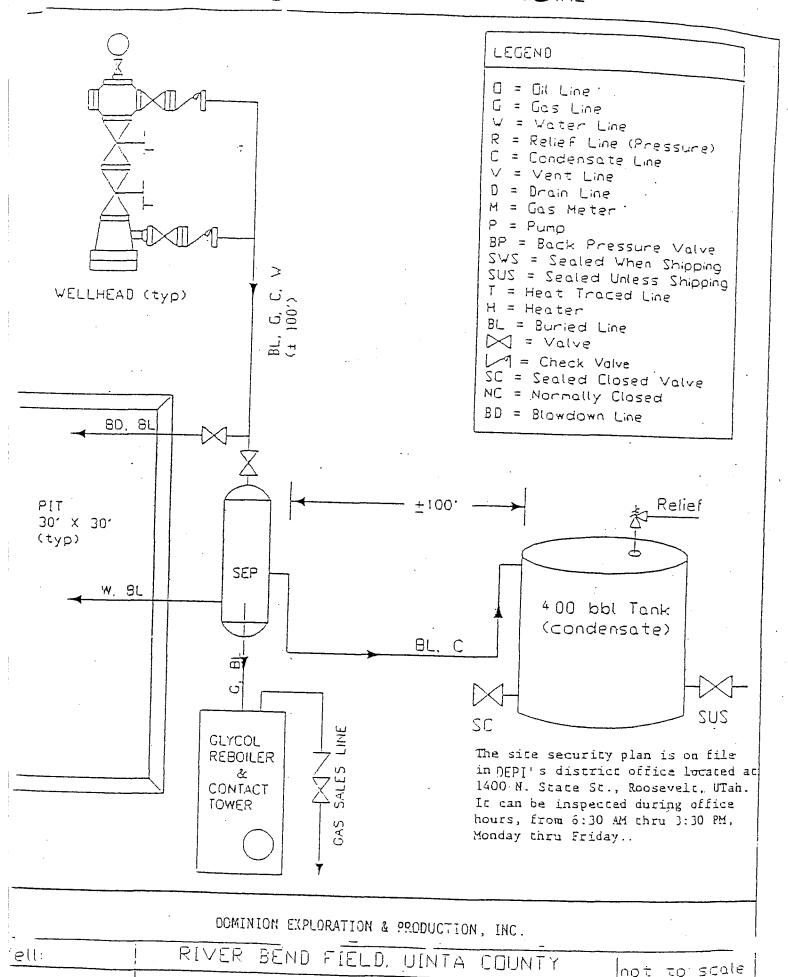
## BOP STACK



## CHOKE MANIFOLD



## CONFIDE : AL



FIMA DIACOAU

TYPINAL

A351MD VARK

## CONDITIONS OF APPROVAL FOR THE SURFACE USE PROGRAM OF THE APPLICATION FOR PERMIT TO DRILL

Company/Operator: <u>Dominion Exploration & Production</u>, Inc.

Well Name & Number: Hill Creek Unit 4-34F

Lease Number: U-28203

564' FNL & 1771' FWL, NE/NW, Sec. 34,

T10S, R20E, S.L.B.&M., Uintah County

Surface Ownership: Ute Indian Tribe

## NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction

of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice:

Location:

- at least twenty-four (24) hours prior to

spudding the well.

Casing String and

Cementing

- twenty-four (24) hours prior to running

casing and cementing all casing strings.

BOP and related

**Equipment Tests** 

- twenty-four (24) hours prior to running

casing and tests.

First Production

Notice

- within five (5) business days after new

Well begins or production resumes after Well has been off production for more

than ninety (90) days.

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

#### SURFACE USE PROGRAM

#### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.
- B. The proposed well site is located approximately 15.8 miles south of Ouray, Utah See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

## 2. PLANNED ACCESS ROAD

- A. The access road will be approximately 1.3 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/ 18 foot running surface.
- C. Maximum grade on access road will be 8%.
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges, or major cuts and fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards, or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of-Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent

intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Dominion Exploration & Production, Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

## 3. <u>LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION</u>

- A. Abandoned wells 1\*
- B. Producing wells 3\*

(\*See attached TOPO map "C" for location)

## 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

#### A. ON WELL PAD

- 1. Production facilities will be set on location if the well is successfully completed for production. Facilities will consist of wellhead valves, separator and dehy units with meter, 400 barrel vertical condensate tank, and attaching piping.
- 2. Gas gathering lines A 4" gathering line will be buried from dehy to the edge of the location.
- 3. Surface pits After the well is hydraulically fraced, it will be flowed back into the surface pits. After first production, a 400 barrel tank will be installed to contain produced waste water.

### B. OFF WELL PAD

- 1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
- 2. A 4" OD steel above ground natural gas pipeline will be laid approximately 11,150' from proposed location to a point in the NW/SE of Section 27, T10S, R20E, where it will tie into Questar Pipeline Co.'s existing line. Proposed pipeline crosses Ute Indian Tribe lands within the Hill Creek Unit, thus a Right-of-Way grant will be required.
- 3. Proposed pipeline will be a 4" OD steel, welded line laid on the surface.
- 4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike

of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery.

The production facilities will be placed on the Northwest end of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Brown.

## 5. LOCATION & TYPE OF WATER SUPPLY

- A. Water source will be from Water Permit No. 43-10447 located in Sec. 9, T8S, R20E, Uintah County, Utah.
- B. Water will be hauled by a licensed trucking company.
- C. No water well will be drilled on lease.

## 6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of the location.
- B. All construction material will come from Tribal Land.
- C. No mineral materials will be required.

## 7. METHODS OF HANDLING WASTE DISPOSAL

#### A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at the Uintah County Landfill.
- 4. Produced wastewater will be confined to a lined or unlined pit or storage tank for a period not to exceed 90 days after initial production. After the 90-day period, the produced water will be contained in a tank on location and then disposed of at Ace Disposal, MCMC Disposal or Dominion's RBU 16-19F Disposal Well.

- 5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on the drilling rig to avoid leakage of oil to the pit.
- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in the reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to the reserve pit will be avoided by flaring them off in the flare pit at the time of recovery.

#### On Ute Indian Tribe administered land:

The reserve pit will be constructed so as not to leak, break, or allow discharge. If the reserve pit requires padding prior to lining (due to rocky conditions) felt padding will be used.

## 8. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

## 9. ANCILLARY FACILITIES

A. No airstrips or camps are planned for this well.

## 10. WELLSITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills and cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation, parking areas, and access road.

The reserve pit will be located on North corner of the location. The flare pit will be located downwind of the prevailing wind direction on the East side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled location topsoil will be stored between Corners 2 and 4 and around Corner #6 of the location .

Access to the well pad will be from the Southeast.

Corners #2, #6, #8, B & C will be rounded off to minimize excavation.

## 11. FENCING REQUIREMENTS:

All pits will be fenced according to the following minimum standards:

- A. Thirty-nine inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner as to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

## 12. PLANS FOR RESTORATION OF SURFACE

## A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 12 months from the date of well completion. Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

## B. <u>DRY HOLE/ABANDONED LOCATION</u>

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and the BIA will attach the appropriate surface rehabilitation conditions of approval.

## 13. SURFACE OWNERSHIP

Access road: <u>Tribal</u> Location: <u>Tribal</u>

#### 14. OTHER INFORMATION

A. Dominion Exploration & Production, Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs.

The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Dominion Exploration & Production, Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA, or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make

arrangements for permanent storage on commercial facilities. (The BIA does not seek to compete with private industry. There are commercial facilities available for stacking and storing drilling rigs.)

#### Additional Surface Stipulations

None

## LESSEE'S OR OPERATOR'S REPRESENTATIVE

#### **CONTACTS:**

**OPERATIONS** PERMITTING

Mitchiel Hall P.O. Box 1360 Roosevelt, UT 84066

Telephone: (435) 722-4521

Fax: (435) 722-5004

Ed Trotter P.O. Box 1910 Vernal, UT 84078

Telephone: (435) 789-4120

Fax: (435)789-1420

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Dominion Exploration & Production, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

### **CERTIFICATION:**

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date 8-7-2003

Ed Trotter, Agent

Dominion Exploration & Production, Inc.

## SELF-CERTIFICATION STATEMENT

Under Federal regulation, effective June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

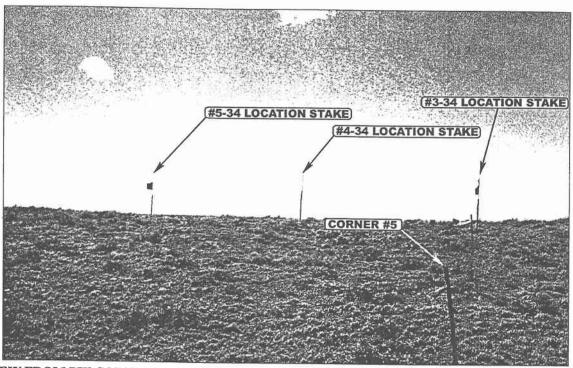
Please be advised that **Dominion Exploration & Production**, Inc. is considered to be the operator of Well No. 4-34F, Surface location in the NE ¼ NW ¼ of Section 34, T10S, R20E in Uintah County; Lease No. U-28203; Bottom location is in the NW ¼ NW ¼ of Section 34-T10S, R20E in Uintah County; Lease No. U-28203 and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Travelers Casualty ad Surety Company of America, Bond #76S 63050 0330.

Carla Christian

Regulatory Specialist

## DOMINION EXPLR. & PROD., INC.

HCU #3-34F, #4-34F & #5-34F LOCATED IN UINTAH COUNTY, UTAH SECTION 34, T10S, R20E, S.L.B.&M.



MERA ANGLE: SOUTHWESTERLY

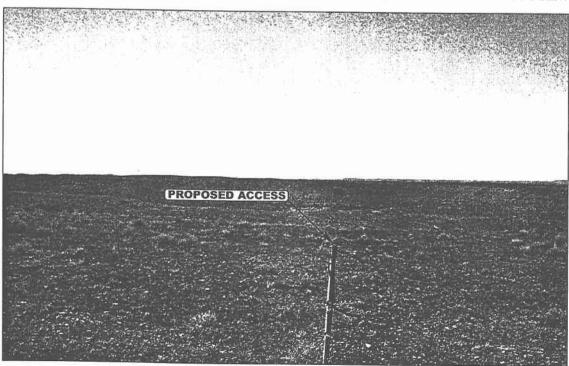


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: SOUTHWESTERLY** 

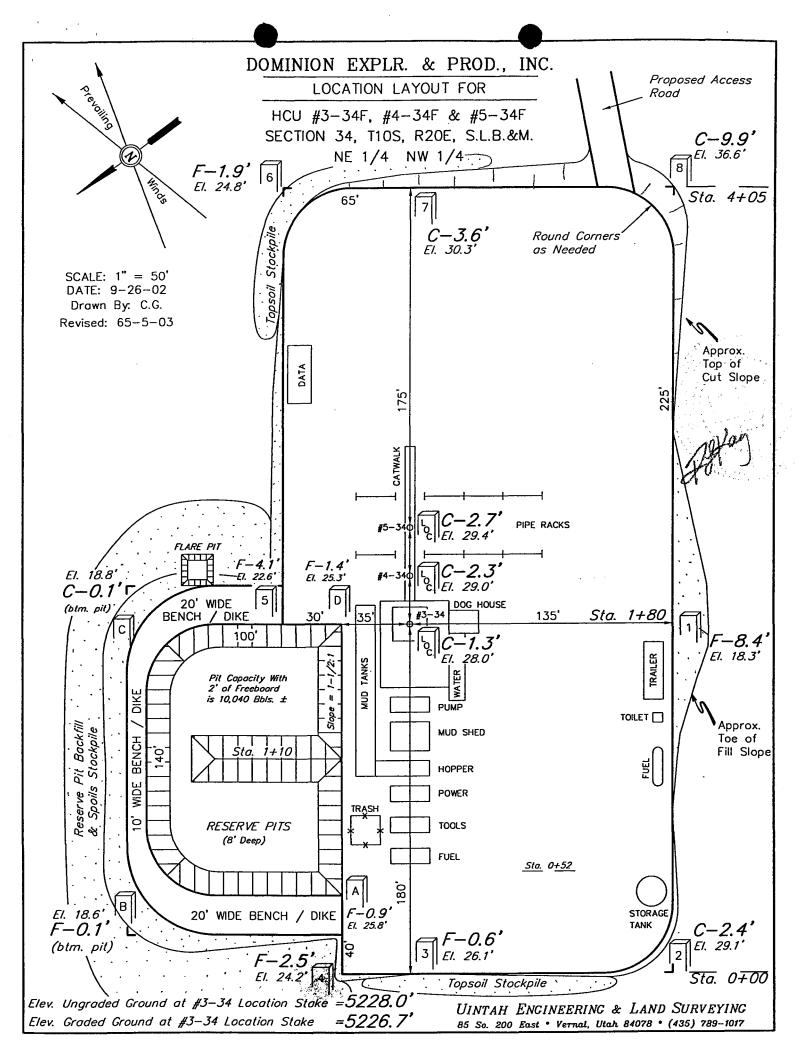


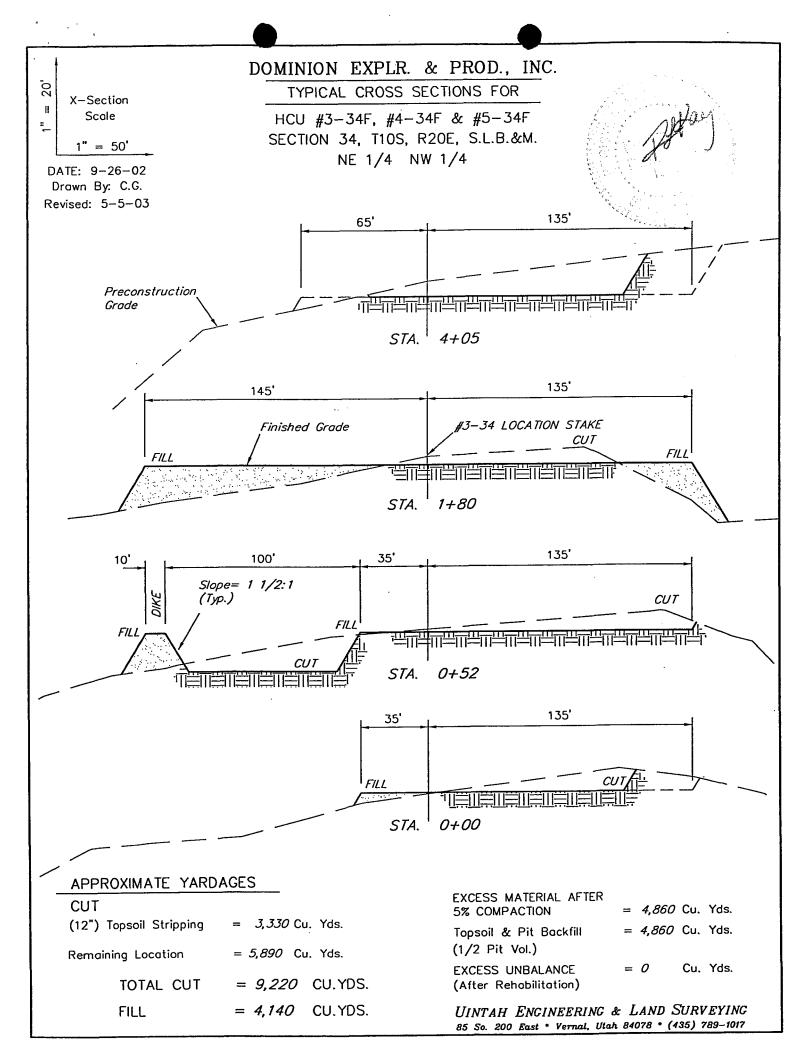
Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

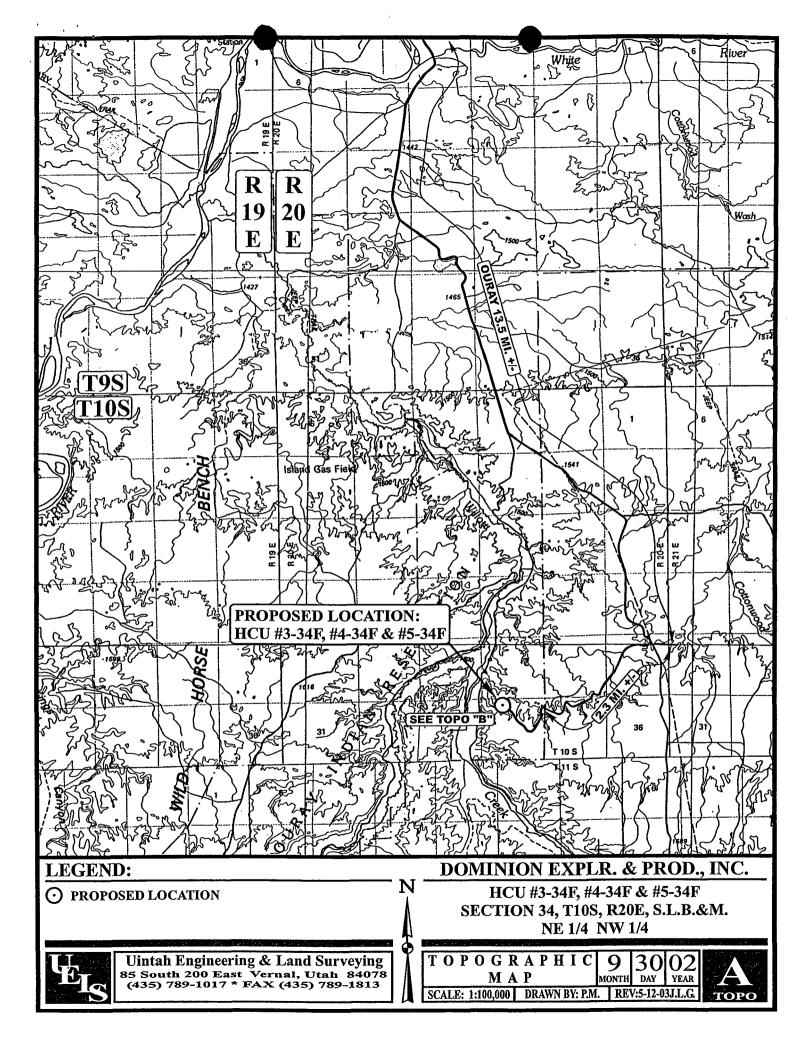
LOCATION PHOTOS

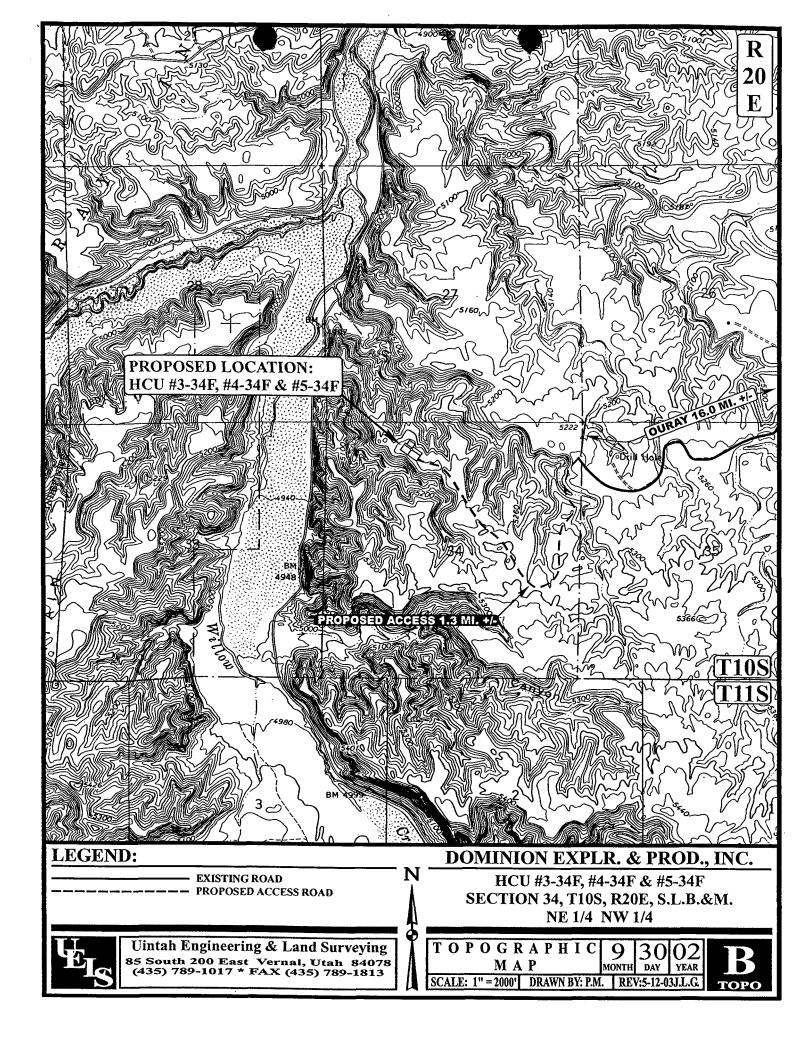
РНОТО

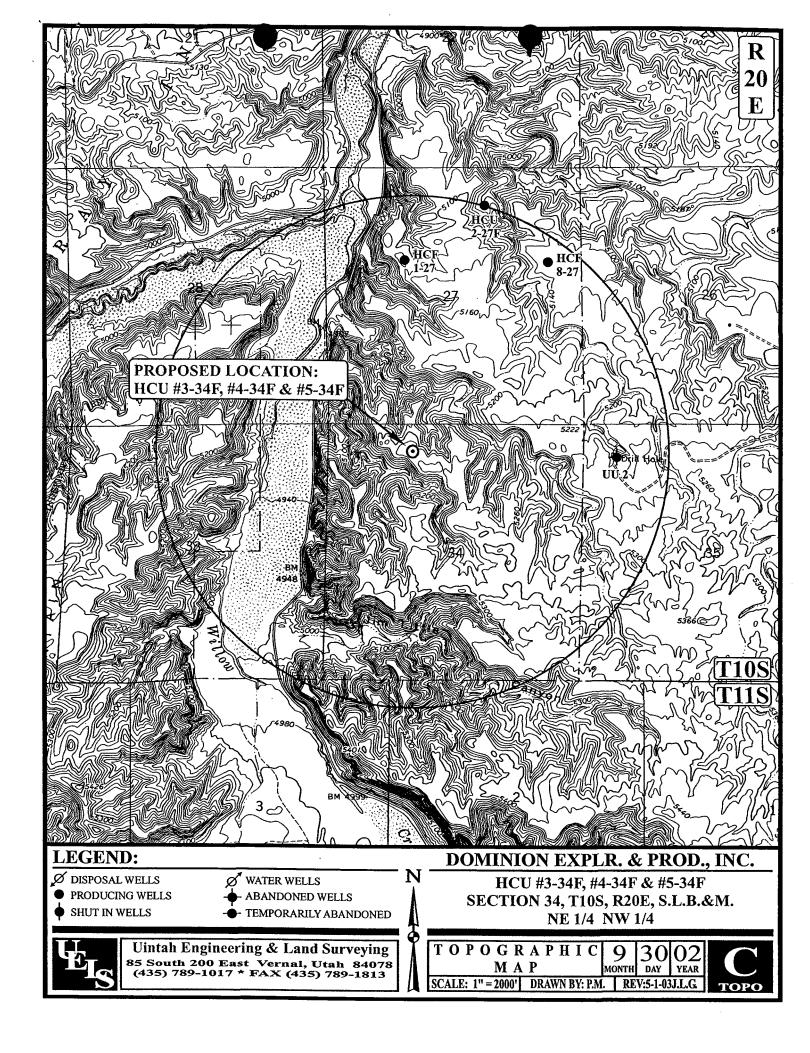
TAKEN BY: K.K. | DRAWN BY: P.M. | REV:5-12-03J.L.G.

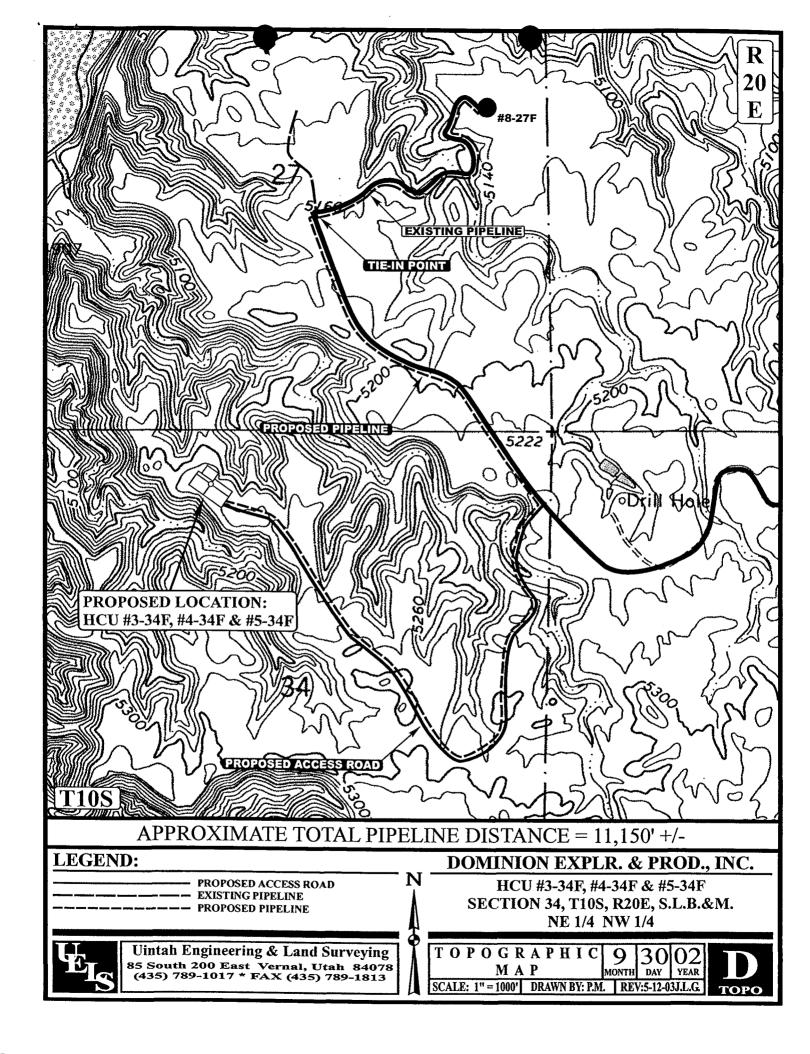






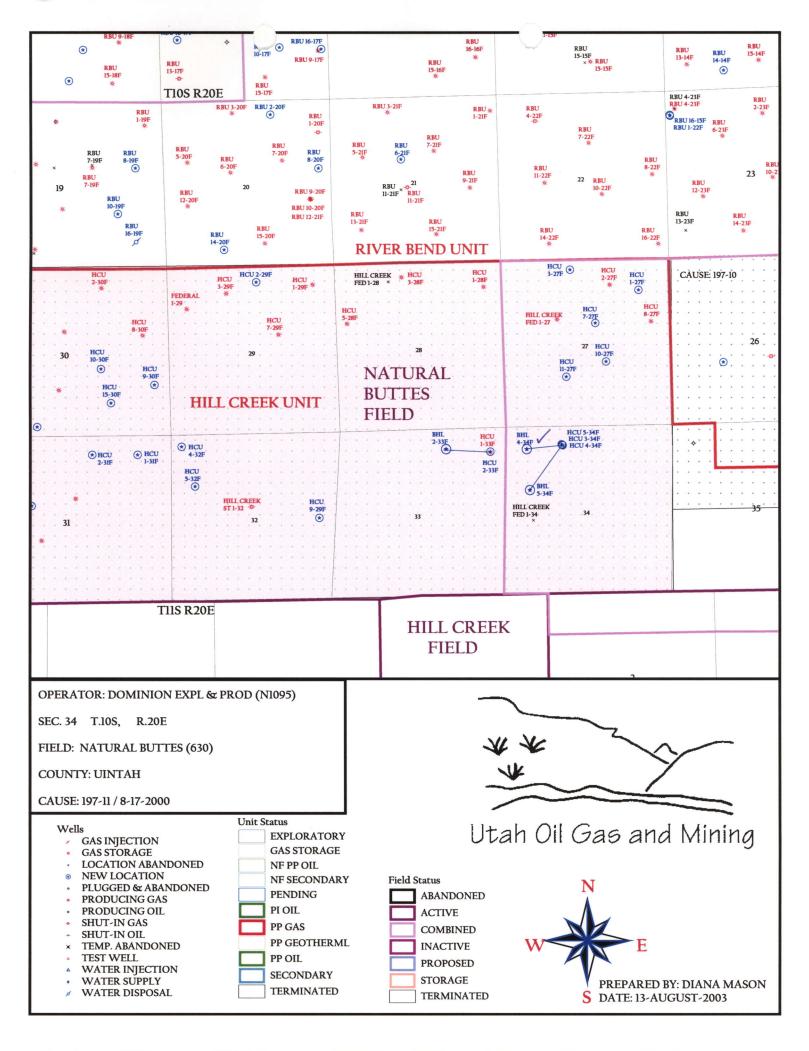






WORKSHEET								
APPLICATION	FOR	PERMIT	TO	DRILL				

APD RECEIVED: 08/11/2003	API NO. ASSIGNED: 43-047-35138						
WELL NAME: HCU 4-34F  OPERATOR: DOMINION EXPL & PROD ( N1095 )  CONTACT: CARLA CHRISTIAN	PHONE NUMBER: 405-749-1300						
PROPOSED LOCATION: NENW 34 100S 200E	INSPECT LOCATN BY: / /						
SURFACE: 0564 FNL 1771 FWL	Tech Review	Initials	Date				
BOTTOM: 0700 FNL 0650 FWL 八刈れい UINTAH	Engineering						
NATURAL BUTTES ( 630 )	Geology						
LEASE TYPE: 1 - Federal	Surface						
LEASE NUMBER: U-28203  SURFACE OWNER: 2 - Indian	LATITUDE: 39.9	0957					
PROPOSED FORMATION: MVRD	LONGITUDE: 109.65340						
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:  R649-2-3.  Unit HILL CREEK  R649-3-2. General Siting: 460 From Qtr/Qtr & 920' Between Wells  R649-3-3. Exception  Drilling Unit Board Cause No: 1971/ Eff Date: 8-17-2000 Siting: Hwo'from whit boundary  R649-3-11. Directional Drill						
STIPULATIONS: 1-federal approach 2-On SHALE							



## BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

August 15, 2003

#### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2003 Plan of Development Hill Creek Unit,

Uintah County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2003 within the Hill Creek Unit, Uintah County, Utah.

Api Number

Well

Location

#### (Proposed PZ MesaVerde)

43-047-35130 HCU 11-27F Sec 27 T10S R20E 1599 FSL 1899 FWL 43-047-35131 HCU 2-29F Sec 29 T10S R20E 0550 FNL 2456 FEL 43-047-35132 HCU 9-30F Sec 30 T10S R20E 1606 FSL 0528 FEL 43-047-35133 HCU 10-30F Sec 30 T10S R20E 2107 FSL 2201 FEL 43-047-35134 HCU 1-31F Sec 31 T10S R20E 0611 FNL 1061 FEL 43-047-35135 HCU 12-31F Sec 31 T10S R20E 1865 FSL 0609 FWL 43-047-35136 HCU 5-32F Sec 32 T10S R20E 1618 FNL 0749 FWL

43-047-35137 HCU 2-33F Sec 33 T10S R20E 0777 FNL 0501 FEL BHL Sec 33 T10S R20E 0700 FNL 1900 FEL

43-047-35138 HCU 4-34F Sec 34 T10S R20E 0564 FNL 1771 FWL BHL Sec 34 T10S R20E 0700 FNL 0650 FWL

43-047-35139 HCU 5-34F Sec 34 T10S R20E 0579 FNL 1792 FWL BHL Sec 34 T10S R20E 2000 FNL 0750 FWL

This office has no objection to permitting the wells at this time.



Michael O. Leavitt Governor Robert L. Morgan Executive Director Lowell P. Braxton Division Director 1594 West North Temple, Suite 1210 PO Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5340 telephone (801) 359-3940 fax (801) 538-7223 TTY www.nr.utah.gov

August 18, 2003

Dominion Exploration & Production, Inc. 14000 Quail Springs Parkway, Suite 600 Oklahoma City, UT 73134

Re:

Hill Creek Unit 4-34F Well, Surface Location 564' FNL, 1771' FWL, NE NW, Sec. 34,

T. 10 South, R. 20 East, Bottom Location 700' FNL, 650' FWL, NW NW, Sec. 34,

T. 10 South, R. 20 East, Uintah County, Utah

#### Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35138.

Sincerely,

John R. Baza Associate Director

pab Enclosures

cc:

Uintah County Assessor

Bureau of Land Management, Vernal District Office



Operator:	Dominion Exploration & Production, Inc.		
Well Name & Number	Hill Creek Unit 4-34F		
API Number:	43-047-35138		
Lease:	U-28203		
Surface Location: <u>NE NW</u>	Sec. 34 T. 10 South R. 20 East		
<b>Bottom Location:</b> NW NW	Sec. 34 T. 10 South R. 20 East		

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.
- 6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

(August 1999)

MEGENNEM

(1.09201.000)	UN	NITED STATES				1 11	November 30, 2000	· ·
	DEPARMEN	T OF THE INTE	RIOR	AUG 0 8 20	103	5. Lease Serial No.		
0.00		LAND MANAGEME		A The state of the	L.,	1	J-28203	
008	APPLICATION F	OR PERMIT TO I	ORILL C	OR REENTER		6. If Indian. Allottee	or Tribe Name	
1a. Type of Work	X DRILL		r	The state of the s			Indian Tribe	
ia. Type of troix	DRILL	REEN	EK			7. If Unit or CA Agre	ement. Name an	d No.
1ь. Type of Well;	Oil Well X Gas W	ell 🔲 Other	VECIN	NGLE ZONE MULTIPLE	ZONE		Creek Unit	
		Cir Ciriei	<u> </u>	VOLE ZONE INOLTIPLE	ZONE	8. Lease Name and		•
Name of Operat						9. API Number	CU 4-34F	
	xploration & Production	n, Inc.	1			9. API Number		
3a. Address			3b. Phone	e No. (înclude area code)		10. Field and Pool, or	Evoloratory	
14000 Qu	ail Spgs Parkway, Ok	la.City, OK 73134	<u> </u>	405-749-1300		1		
4. Location of Wei	(Report location clearly and					11. Sec., T., R., M., or	tural Buttes	or Aron
At surface		564' FNL & 17	771' FWL	_, NE/NW		77.000 7 10 11 01	Dik and Survey (	л Ана
At proposed pro		700' FNL &	650' FW	L, NW/NW		34	I-10S-20E	
14. Distance in mile	s and direction from nearest	town or post office*				12. County of Parish	13 State	
		15.8 miles South of	Ouray			Uintah		UT .
<ol> <li>Distance from p location to near</li> </ol>			16. No. of	Acres in lease	17. S	pacing Unit dedicated to	this well	
	drig.unit line, if any)	700'		1880			40	
18. Distance from p	roposed location* drilling, completed,		19. Propo	sed Depth	20. B	LM/BIA Bond No. on file	3	
applied for, on the	his lease. ft.	1110'		8,000	7	6S 63050 0330		
21. Elevations (Sho	ow whether DF, KDB, RT, G	L, etc.)	22. Appro	ximate date work will start*		23 Estimated dur	ation	
	5229' GL		15-Feb-04			45 days		
				ttachments				
The following, comp	leted in accordance with the	requirements of Onshore	Oil and Ga	s Order No. 1, shall be attached to	this form	1:		
<ol> <li>A Drilling Plan.</li> <li>A Surface Use F</li> </ol>	ed by a registered surveyor.  Plan (if the location is on Natified with the appropriate For		, the	<ol> <li>Bond to cover the operation Item 20 above).</li> <li>Operator certification.</li> <li>Such other site specific info authorized officer.</li> </ol>		• . •	•	
25 Signature			Name (Pri	inted/Typed)		I I	Date	·
1 aug	Muslia	$\sim$ $\perp$		Carla Christia	ın	į	August 7	'.∂∞3
Title Regulator	y specialist	8					3	
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Title	Hinaral Regard			IOTICE OF APPR			//	
operations thereon.	I does not warrant or certify to val, if any, are attached.	hat the applicant holds leg	al or equita	ble title to those rights in the subj	ect lease	which would entitle the	applicant to cond	uct

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

RECEIVED DEC 1 5 2003

DIV. OF OIL, GAS & MINING



COAs Page 1 of 6 Well No.: HCU 4-34F

### CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator:	Dominion E&P Inc.			
Well Name & Number:	HCU 4-34F			
API Number:	43-047-35138			
Lease Number:	U-28203			
Location: <u>NENW</u>	Sec. 34 T. 10S R. 20E			
Agreement:	Hill Creek WS MV			

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

#### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

#### A. <u>DRILLING PROGRAM</u>

1. <u>Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered</u>

Report <u>ALL</u> water shows and water-bearing sands to John Mayers of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

COAs Page 2 of 6 Well No.: HCU 4-34F

The BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a <u>3M</u> system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

#### 3. <u>Casing Program and Auxiliary Equipment</u>

As a minimum requirement, the cement behind the production casing must extend 200' above the top of the fresh water identified at  $\pm 5840$ '.

#### 4. <u>Mud Program and Circulating Medium</u>

None

#### 5. <u>Coring, Logging and Testing Program</u>

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing

Please submit to this office, in LAS format, an electronic copy of all logs run on this well. This submission will replace the requirement for submittal of paper logs to the BLM.

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

#### 6. <u>Notifications of Operations</u>

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

COAs Page 3 of 6 Well No.: HCU 4-34F

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery. All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform to Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil & Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman

(435) 828-7874

Petroleum Engineer

Kirk Fleetwood

(435) 828-7875

Petroleum Engineer

BLM FAX Machine (435) 781-4410

COAs Page 4 of 6 Well No.: HCU 4-34F

#### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spend solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids

COAs Page 5 of 6 Well No.: HCU 4-34F

#### SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Dominion Exploration & Production, Inc. (Dominion) will assure the Ute Tribe that any/all contractors and subcontractors have acquired a current Tribal Business License and have updated "Access Permits" prior to construction. All Dominion personnel, contractors and subcontractors will have these permits in their vehicles at all times. Companies that have not complied with this COA will be in violation of the Ute Tribal Business License Ordinance, and will be subject to fines and penalties.

Dominion employees, representatives, and/or authorized personnel (subcontractors) shall not carry firearms on their person or in their vehicles while working on the Uintah & Ouray Indian Reservation.

Dominion employees and/or authorized personnel (subcontractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.

Dominion will notify the Ute Tribe and Bureau of Indian Affairs (BIA) in writing of any requested modification of APDs or Rights-Of-Way (ROW). Dominion shall receive written notification of authorization or denial of the requested modification. Without authorization, Dominion will be subject to fines and penalties.

The Ute Tribe Energy & Minerals Department shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday. A Tribal Technician is to routinely monitor construction. Dominion shall make arrangements with the Ute Energy & Minerals Department for all monitoring that will exceed regular working hours for Tribal Technicians. A qualified archaeologist accompanied by a Tribal Technician will monitor any trenching construction of the pipeline.

A corridor ROW, 60 foot wide and 11,196 feet long, shall be granted by BIA for the pipeline and for the access road. (See Map D for a description, the route is as submitted in the APDs for the HCU 4-34F and HCU 5-34F wells.) About 4,200 feet of this ROW will parallel existing roads and the rest of the corridor will include the new access road. The constructed, travel width of the access road will be limited to 18 feet. Upon authorization by the Ute Tribe Energy & Minerals Department, the ROW may be wider where sharp curves, deep cuts and fills occur; or, where intersections with other roads are required.

A cattle guard shall be installed where the new access road crosses the reservation boundary fence.

Culverts and diversion ditches will be placed and constructed where needed. Road base gravel will be used where sandy soils make roadways and the drilling location hazardous for access or drilling operations.

Upon completion of the pertinent APD and ROWs, Dominion will notify the Ute Tribe Energy & Minerals Department for a Tribal Technician to verify the Affidavit of Completion.

Production waters, oil, and other byproducts shall not be placed on access roads or the well pad.

COAs Page 6 of 6 Well No.: HCU 4-34F

All vehicular traffic, personnel movement, construction and restoration operations will be confined to the areas examined and approved and to the existing roadways and/or evaluated access routes.

Dominion will implement "Safety and Emergency Plan" and ensure plan compliance.

Dominion shall stop construction activities and notify personnel from the Ute Tribe Energy & Minerals Department and BIA if cultural remains including paleontology resources (vertebrate fossils) are exposed or identified during construction. The Ute Tribe Department of Cultural Rights and Protection and the BIA will provide mitigation measures prior to allowing construction.

Dominion employees and/or authorized personnel (subcontractors) will not be allowed to collect artifacts and paleontology fossils. No significant cultural resources shall be disturbed.

Dominion will control noxious weeds on the well site and ROWs. Dominion will be responsible for noxious weed control if weeds spread from the project area onto adjoining land.

Reserve pits will be lined with an impervious synthetic liner. A fence will be constructed around the reserve pit until it is backfilled. Prior to backfilling the reserve pit, all fluids will be pumped from the pit into trucks and hauled, to approved disposal sites. When the reserve pits are backfilled, the surplus oil and mud, etc., will be buried a minimum of 3 feet below the surface of the soil.

A closed system will be used during production. This means that production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites.

Surface pipelines will be constructed to lay on the soil surface. The pipeline portion of the ROW will not be bladed or cleared of vegetation without authorization of the BIA. Surface pipelines shall be welded in place at well sites or on access roads. They shall be pulled into place and assembled with suitable equipment. Vehicles shall not use pipeline ROWs as access roads unless specifically authorized.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface. After construction is completed the disturbed area shall be contoured to blend into the natural landscape and be reseeded between September 15 and November 1 of the year following construction with perennial vegetation seed mixture provided by the BIA or Ute Tribe.

Before the site is abandoned, Dominion will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Soil erosion will be mitigated, by reseeding all disturbed areas.

Form 3160-5 (August 1999)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED	
OMB NO. 1004-0135	
Expires: November 30, 20	1

	Expires.	. INDVCII
Lease	Serial No	).
11700	20	

0	0	•

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an			0-7200			
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.					6. If Indian, Allottee o	Tribe Name
SUBMIT IN TRIPLICATE - Other instructions on reverse side.				7. If Unit or CA/Agree	ment, Name and/or No.	
Type of Well     Oil Well	her				8. Well Name and No. HCU 4-34F	
2. Name of Operator DOMINION EXPL. & PROD.,		CARLA CHRISTI E-Mail: Carla_M_C		m.com	9. API Well No. 43-047-35138	
3a. Address 14000 QUAIL SPRINGS PAR OKLAHOMA CITY, OK 7313		3b. Phone No. (inc Ph: 405.749.52 Fx: 405.749.669	263	e)	10. Field and Pool, or NATURAL BUT	Exploratory FES
4. Location of Well (Footage, Sec., 7	T., R., M., or Survey Description	)			11. County or Parish, a	and State
Sec 34 T10S R20E NENW 56	64FNL 1771FWL				UINTAH COUN	ΓΥ, UT
12. CHECK APP	ROPRIATE BOX(ES) TO	O INDICATE NA	TURE OF	NOTICE, RI	EPORT, OR OTHER	R DATA
TYPE OF SUBMISSION			ТҮРЕ С	F ACTION		
Notice of Intent	☐ Acidize	□ Deepen		☐ Product	ion (Start/Resume)	☐ Water Shut-Off
_	☐ Alter Casing	☐ Fracture	Treat	☐ Reclam	ation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Cor	nstruction	☐ Recomp	lete	<b>⊠</b> Other
☐ Final Abandonment Notice	☐ Change Plans	Plug and	l Abandon	☐ Tempor	arily Abandon	Change to Original A PD
13. Describe Proposed or Completed Op	Convert to Injection	☐ Plug Bac		☐ Water I	•	
testing has been completed. Final A determined that the site is ready for in the State APD for this well exertension.	final inspection.)  kpires August 18, 2004.  C	ominion is hereb			REC	=1\/Ep :
en gewonen in word van der werden volgen der eine eine eine Anders der Eine eine Verleiten gewonen der eine Ver	Approved to Utah Divisi	ion of Mining			AUG 0	6 2004
COPY SENT TO OPERATOR Date: 06-17-04 Initials: CHO				DIV. OF OIL, G	4S & MINING	
- 14- Thereby certify that the foregoing is	Electronic Submission #	33958 verified by EXPL. & PROD.,	the BLM We INC., sent to	II Information the Vernal	System	
Name (Printed/Typed) CARLA CHRISTIAN Title AUTHORIZED REF				RESENTATIVE		
Signature (CMC) (Electronic	Submission)	Dat	te 08/03/2	2004		
	THIS SPACE FO	OR FEDERAL C	R STATE	OFFICE U	SE	
Approved By		Tit	tle			Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  Office						1
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent	U.S.C. Section 1212, make it a statements or representations as	crime for any person to any matter within	knowingly and its jurisdiction	d willfully to ma	ke to any department or a	agency of the United

# Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-35138  Well Name: HCU 4-34F  Location: Section 34-10S-20E, 564' FNL & 1771' FWL  Company Permit Issued to: Dominion Exploration & Production, Inc.  Date Original Permit Issued: 8/18/2003				
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.				
Following is a checklist of some items related to the application, which should be verified.				
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes□No□				
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No☑				
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□ No ☑				
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□No ☑				
Has the approved source of water for drilling changed? Yes□Noা				
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No☑				
Is bonding still in place, which covers this proposed well? Yes ☑ No □				
Signature 8/3/2004  Date				
Title: Regulatory Specialist				
Representing: Dominion Exploration & Production, Inc.				

Utah Division of Oil. Gas and 14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Carla Christian Title Regulatory Specialist Signature 8/02/2005 THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease Office which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

AUG 0 5 2005

# Application for Permit to Drill Request for Permit Extension Validation

Validation
(this form should accompany the Sundry Notice requesting permit extension)

API:

43-047-35138

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Have there been any physical changes to the surface location which will require a change in plans from what was discussed evaluation? Yes□No☑	n or access route d at the onsite
Is bonding still in place, which covers this proposed well? Yes	s☑No□
Carla Chustian 8/2/200	05
	Date
Title: Regulatory Specialist	
Representing: Dominion Exploration & Production, Inc.	RECEIVED AUG 0 5 2005
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Form 3160-5 (August, 1999) 4

1. Type of Well

3a. Address

2. Name of Operator

#### UNITED **DEPARTMENT O** BUREAU OF LAND MANAGEMENT

Change Plans

Dominion Exploration & Production, Inc.

Notice of Intent

14000 Quail Springs Parkway, OKC, OK 73134

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

BUREAU SUNDRY NOTI Do not use this form	UNITED STATES IMENT ( HE INTI U OF LAND MANAGEM ICES AND REPORTS IN for proposals to drill to the community of the community	MENT S ON WELLS or to re-enter an	i.	FORM APPROVED OMB No. 1004-0135 Exp ires: November 30, 2000 U-28203  6. If Indian, Allottee or Tribe Name Ute Indian Tribe
	CATE - Other Instructio	The same of the sa		7. If Unit or CA/Agreement, Name and/or No.
of Well Oil Well X Gas Wel	1 Other	. V 682-07-00-00-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0		Hill Creek Unit 8. Well Name and No.
e of Operator				HCU 4-34F
nion Exploration & Production	on, Inc.	D'		9. API Well No.
ress Suite 6	600	3b. Phone No. (inc	lude area code)	43-047-35138
O Quail Springs Parkway, O		(405) 749-5	263	10. Field and Pool, or Exploratory Area
tion of Well (Footage, Sec., T., R., M.,	, or Survey Description)			Natural Buttes
				11. County or Parish, State
564' FNL & 1771' FWL, !	NE NW, Sec. 34-10S-2	!0E		Uintah, UT
12. CHECK APPROPRIATE	BOX(ES) TO INDICAT	E NATURE OF	NOTICE, REPO	DRT OR OTHER DATA
TYPE OF SUBMISSION			E OF ACTION	
Notice of Intent	Acidize Deepen Production (Start/Resume) Water Shut-Off			
	Altering Casing	Fracture Treat	Reclamation	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplete	Other

APD Expiration.

Final Abandonment Notice Convert to Injection Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Plug and Abandon

The state APD for this well expires 8/18/05. Dominion is hereby requesting a one year extension.

#### **CONDITIONS OF APPROVAL ATTACHED**

<u> </u>	
14. I hereby certify that the foregoing is true and correct Name (PrintedTyped)	Ĭ
Carla Christian	Title Regulatory Specialist
Signature Coula Unistian	Date 8/02/2005
THIS SPACE FOR FEDERAL OR STAT	
Approved by Water Role	Petroleum Engineer AUG 0 5 7000
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office Sign of Table
T1 10 10 0 0 0 11 11 11 11 11 11 11 11 11	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED

SEP 0 9 2005

# Application for Permit to Drill Request for Permit Extension Validation (this form should accompany the Sundry Notice requesting permit extension)

API: Well Name:	43-047-35138 HCU 4-34F		
Location:		, 564' FNL & 1771' FWL	
Company Per Date Original	mit Issued to: Permit Issued:	Dominion Exploration & P	roduction, Inc.
above, hereby	verifies that the	n legal rights to drill on information as submitte mains valid and does r	the property as permitted ed in the previously not require revision.
Following is a verified.	checklist of some	e items related to the a	pplication, which should be
If located on pragreement bee	rivate land, has tl en updated? Yes	he ownership changed □No□	, if so, has the surface
Have any wells the spacing or	s been drilled in t siting requiremen	he vicinity of the proponts for this location? Ye	sed well which would affect es ☐ No ☑
Has there beer permitting or o	n any unit or othe peration of this p	er agreements put in pla roposed well? Yes⊟ N	ace that could affect the o ☑
Have there bee of-way, which o	en any changes t could affect the p	to the access route incl proposed location? Yes	uding ownership, or right- □ No ☑
Has the approv	ed source of wa	ter for drilling changed	? Yes⊟ No⊠
Have there bee which will requi evaluation? Ye	ire a change in p	hanges to the surface lans from what was dis	location or access route cussed at the onsite
ls bonding still	in place, which c	overs this proposed we	ell? Yes⊠No⊟
Centa U	nistian		8/2/2005
Signature			Date
Title: Regulator	y Specialist		
Representing: -	Dominion Exploration	ion & Production, Inc.	

#### **CONDITIONS OF APPROVAL**

#### **Dominion Exploration & Production Inc.**

## **Notice of Intent APD Extension**

Lease:

UTU-28203

Well:

HCU 4-34F

Location:

NENW Sec 34-T10S-R20E

An extension for the referenced APD is granted with the following conditions:

- 1. The extension and APD shall expire on 08/18/06
- 2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Matt Baker of this office at (435) 781-4490



State of Utah

#### Department of **Natural Resources**

MICHAEL R. STYLER **Executive Director** 

Division of Oil, Gas & Mining

> JOHN R. BAZA Division Director

JON M. HUNTSMAN, JR. Governor

GARY R. HERBERT Lieutenant Governor

August 21, 2006

Carla Christian Dominion Expl & Prod Inc. 14000 Quail Springs Parkway Oklahoma City, OK 73134

Re:

APD Rescinded -HCU 4-34F Sec. 34 T. 10S R. 20E

Uintah County, Utah API No. 43-047-35138

Dear Ms. Christian:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on August 18, 2003. On August 17, 2004 and August 9, 2005, the Division granted a one-year APD extension. On August 21, 2006, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective August 21, 2006.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

**Engineering Technician** 

cc:

Well File

Bureau of Land Management, Vernal



#### United States Department of the Interior

BUREAU OF LAND MANAGEMENT Vernal Field Office 170 South 500 East Vernal, UT 84078 (435) 781-4400 Fax: (435) 781-4410

http://www.blm.gov/utah/vernal



IN REPLY REFER TO: 3160 UT08300

September 7, 2006

Carla Christian Dominion Expl. & Prod., Inc. 14000 Quail Springs Pkwy, Suite 600 Oklahoma City, OK 73134

Re: Notification of Expiration

Notification of Expiration Well No. HCU 4-34F NENW, Sec. 34, T10S, R20E Uintah County, Utah

Lease No. UTU-28203 Hill Creek Unit

Dear Ms. Christian:

The Application for Permit to Drill the above-referenced well was approved on December 5, 2003. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until December 5, 2005. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Leslie Wilcken Land Law Examiner

eslii Wilcken

cc: UDOGM

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
SEP 1 1 2006